OIPE

RAW SEQUENCE LISTING DATE: 08/07/2001 PATENT APPLICATION: US/09/761,782 TIME: 13:21:02

Input Set : A:\202048USO.txt

| 4 5 | <110> | DOROS GORSI | SHENK IKOVA | O, V | ERA TALI | | VITA | LIY | | | | | | | F | NTERED |
|----------|------------|--|----------------|------|-------------|------------|----------|----------|-----------|-------|-----|--------|------|------|--------|--------------|
| 6 | | BELA | | | | | | | | | | | | | - | |
| 7 | | IVANOVSKAYA, LIRINA KHOURGES, EVGENI | | | | | | | | | | | | | | |
| 8 9 | | | | | | v | | | | | | | | | | • |
| 10 | | AKHVE GUSY <i>E</i> | | | | | | | | | | | | | | |
| 11 | | KOZLO | | | TVUY | .LL | | | | | | | | | | |
| | <120> | | | | אידר | Ν• м | וא באירו | יד דו. | VH G | FNF | חמע | мети | OD E | OD D | PODIIC | ING L-VALINE |
| | | | | | | | | | VII G | LIVI. | AND | 115111 | OD I | OK F | RODUC | ING L-VALINE |
| | | FILE REFERENCE: 202048US0 CURRENT APPLICATION NUMBER: 09/761,782 | | | | | | | | | | | | | | |
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| | <211><212> | | | | | | | | | | | | | | | |
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| | <220> | | | LSC. | ner r | CIIIa | COL | <u>.</u> | | | | | | | | |
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| | <222> | | | | (4 | 89) | | | | | | | | | | |
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| | atg c | | | | | | | | | | | | | | | 48 |
| | Met A | rg Arg | Ile | | Ser | Val | Leu | Leu | | Asn | Glu | Ser | Gly | | Leu | |
| 41 | | | | 5 | | | | | 10 | | | | | 15 | | |
| | tcc c | | | | | | | | | | | | | | | 96 |
| 45 | Ser A | ry var | 20 | GIY | ьeu | rne | ser | 25 | Arg | GIY | ıyr | ASII | 30 | GIU | ser | |
| | ctg a | cc att | | cca | acc | gac | gat | | aca | tta | tca | cat | | acc | atc | 144 |
| | Leu T | | | | | | | | | | | | | | | T 4 4 |
| 49 | | 35 | | | | | 40 | | | | | 45 | | | | |
| 51 | cag a | cc gtg | ggc | gat | gaa | aaa | gta | ctt | gag | cag | atc | gaa | aag | caa | tta | 192 |
| | Gln T | | | | | | | | | | | | | | | |
| 53 | 50 | | | | | 55 | | | | | 60 | | | | | |
| | cac a | | | | | | | | | | | | | | | 240 |
| | His L | ys Leu | Val | Asp | | Leu | Arg | Val | Ser | | Leu | Gly | Gln | Gly | | |
| 57 | | | | | 70 | | | | | 75 | | | | | 80 | 0.00 |
| 59 60 | cat go | ıt gag | ogg Are | gaa | atc | acg Mot | ctg | gtg | aaa | att | cag | gcc | agc | ggt | tac | 288 |
| 61 | 11TO A | ar Gru | ALG | 85 | тте | net | neu | val | ьуs 90 | тте | GTU | нта | ser | 95 | тÀт | |
| | ggg c | gt gac | gaa | | aaa | cat | aat | aco | | ata | ttc | cat | aaa | | att | 336 |
| 64 | Gly A | rq Asp | Glu | Val | Lys | Ara | Asn | Thr | Glu | Ile | Phe | Ara | Glv | Gln | Ile | |
| 65 | - | - 1 | 100 | | - | , | | 105 | | | | , | 110 | | | |

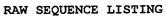
RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/761,782

DATE: 08/07/2001 TIME: 13:21:02

Input Set : A:\202048USO.txt

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|--|-----|--|--|--|--|--|--|--|--|--|--|
| 71 ggt aag ctt agt gca ttt tta gca tcg att cgc gat gtg gcg aaa att 72 Gly Lys Leu Ser Ala Phe Leu Ala Ser Ile Arg Asp Val Ala Lys Ile 73 130 135 140 | 432 | | | | | | | | | | |
| 75 gtg gag gtt gct cgc tct ggt gtg gtc gga ctt tcg cgc ggc gat aaa 76 Val Glu Val Ala Arg Ser Gly Val Val Gly Leu Ser Arg Gly Asp Lys 77 145 150 155 | 480 | | | | | | | | | | |
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| 89 <400> SEQUENCE: 2 91 Met Arg Arg Ile Leu Ser Val Leu Leu Glu Asn Glu Ser Gly Ala Leu 92 1 5 10 15 | | | | | | | | | | | |
| 95 Ser Arg Val Ile Gly Leu Phe Ser Gln Arg Gly Tyr Asn Ile Glu Ser 96 20 25 30 99 Leu Thr Val Ala Pro Thr Asp Asp Pro Thr Leu Ser Arg Met Thr Ile | | | | | | | | | | | |
| 100 35 40 45 103 Gln Thr Val Gly Asp Glu Lys Val Leu Glu Gln Ile Glu Lys Gln Leu 104 50 55 60 | | | | | | | | | | | |
| 107 His Lys Leu Val Asp Val Leu Arg Val Ser Glu Leu Gly Gln Gly Ala 108 65 70 75 80 111 His Val Glu Arg Glu Ile Met Leu Val Lys Ile Gln Ala Ser Gly Tyr | | | | | | | | | | | |
| 112 85 90 95 115 Gly Arg Asp Glu Val Lys Arg Asn Thr Glu Ile Phe Arg Gly Gln Ile 116 100 105 110 | | | | | | | | | | | |
| 119 Ile Asp Val Thr Pro Ser Leu Tyr Thr Val Gln Leu Ala Gly Thr Ser 120 125 123 Gly Lys Leu Ser Ala Phe Leu Ala Ser Ile Arg Asp Val Ala Lys Ile | | | | | | | | | | | |
| 124 130 135 140 127 Val Glu Val Ala Arg Ser Gly Val Val Gly Leu Ser Arg Gly Asp Lys 128 145 150 155 160 131 Ile Met Arg | | | | | | | | | | | |
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Input Set : A:\202048USO.txt

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VERIFICATION SUMMARY

DATE: 08/07/2001

PATENT, APPLICATION: US/09/761,782

TIME: 13:21:03

Input Set : A:\202048USO.txt